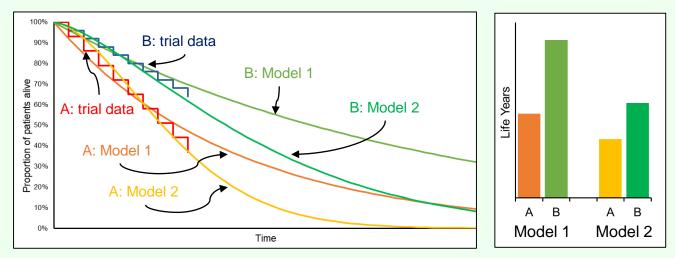
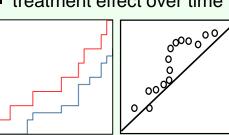
SURVIVAL ANALYSIS: EXTRAPOLATING PATIENT DATA

Data may need extrapolating beyond the trial. Different survival models give different results.



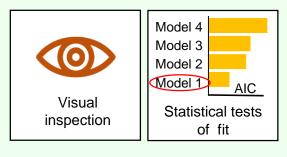
How to select survival models:

- Consider how to model the treatment effect over time



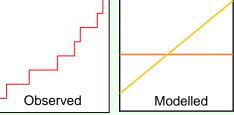
Use log-cumulative hazard plots and quantilequantile plots to determine whether there is a proportional treatment effect over time, or whether treatment arms should be modelled separately

3 Consider internal validity



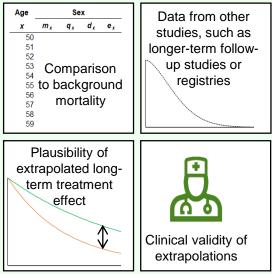
5. Choose the most of p model and complete sensitivity Choose the most appropriate analysis using alternative plausible models

- Consider which parametric models are appropriate given the shape of the
- hazard functions and the survival curves



Use log-cumulative hazard plots and consider whether hazards are constant over time, increase, decrease, or have turning points

4 Consider external validity



For further information: Technical Support Document 14 available from http://nicedsu.org.uk Becky Pennington, ScHARR, University of Sheffield, UK

Icon credits: Arthur Shlain and yasminvisbile.